



Directly accessible wood fibre insulation board for insulating attic floors

- Ideal for ceiling insulation in accessible but rarely-used attics
- Suitable for light footfall thanks to high compressive strength
- Handy formats
- Very good insulating properties in winter and summer
- Diffusion-open for high construction safety
- Wood from responsible forestry - PEFC certified

Application area



- Insulation of the top floor ceiling

Technical data

Produced and supervised according to	EN 13171
Board designation	WF – EN13171 – T5 – CS(10\Y)100 –TR10 – MU3
Fire class (RTF) according to EN 13501-1	E
Permanent temperature range [°C]	≤ 100
Declared thermal conductivity [W/(m*K)]	0.040
Density [kg/m³] (approx.)	140
Water vapour diffusion resistance factor μ	3
Specific heat capacity [J/(kg*K)]	2,100
Compressive strength at 10% compression δ_{10} [N/mm²]	0.1
Compression strength [kPa]	100
Tensile strength perpendicular to face [kPa] (approx.)	10
Manufacturing process	dry process / utilization polyurethane resin for panel bonding
Ingredients	wood fibre, polyurethane resin, paraffin wax
Declared level of airflow resistance [(kPa*s)/m²]	≥100
Bonded carbon [kg CO ₂ equivalent./m³] (approx.)	200

Additional technical data

Thickness [mm]	Declared thermal resistance [(m²*K)/W]	s_d value [m]
80	1.95	0.24
100	2.40	0.30

Forms of delivery

Handy formats, e.g. for construction site assembly

Thickness [mm]	Edge profile	Length [mm]	Width [mm]	Number/pal. [pcs.]	Coverage/pal. gross [m ²]
80	SE	1200	400	28	13.440
100	SE	1200	400	22	10.560

Weight and packing

Handy formats, e.g. for construction site assembly

Thickness [mm]	Edge profile	Length [mm]	Width [mm]	Weight/m ² [kg]	Weight/pcs. [kg]	pac./pal. paper/cardboard (approx) [kg]	pac./pal. plastic (approx) [kg]	pac./pal. wood (approx) [kg]	Weight./pal. (approx.) [kg]
80	SE	1200	400	11.20	5.4	0.10	0.7	16.2	175
100	SE	1200	400	14.00	6.7	0.10	0.7	16.2	170

Notes

Storage

- Store wood fibre boards horizontally, flat and dry
- Protect edges from damage
- Only remove the film packaging when the ambient climate is dry and keep the pallet packing label
- Maximum stacking height: 3 pallets

Disposal

Waste cuttings:

- Waste code according to 2014/955/EU: 03 01 05

Dismantling:

- Waste code according to 2014/955/EU: 17 02 01

Cutting

- The boards can be cut to size using the STEICO*isoflex cut combi* cutting table or a band saw, circular saw, jigsaw and other wood-cutting tools.

Occupational health and safety

- Comply with local regulations for the processing of wood-fibre material
- Suitable protective measures must be taken when cutting the wood fibre insulation boards. (dust extraction, dust mask)

Building moisture

- Building moisture caused by e.g. fresh screed, plaster or paint must generally be removed by ventilation.
- Dry air must be provided inside the building during the construction phase.

Installation

- The building physics of the substrate and structure must be checked. If necessary, a vapour barrier membrane or airtight membrane must be installed.
- The STEICO*top* must be laid on a full-surface substrate.
- When laying multiple layers, ensure that the joints are offset.
- The local fibre protection requirements must be observed in the area of the chimney and heating systems. (Observe clearances)
- The wood fibre boards can be walked on (light foot traffic only)
- Fibre abrasion occurs Is this an installation warning or a notice that sliding items on the attic floor will damage the surface
- Light objects can be stored on the wood fibre
- For heavy materials or objects with a small support surface (high point loads), a flat base for weight distribution is recommended.
- Vapour restrictive materials placed on top of the STEICO*top* boards, (e.g. a sheet of plywood placed under an object to spread the load) may hinder the diffusion flow. To reduce moisture risks, ensure that such materials do not cover the entire wood-fibre surface and are only placed under the corresponding point loads.
- Consider adding signage in any attic/storage area to explain the usage restrictions of the STEICO*top* material

Certificates and quality management



☰ Caption**other abbreviations**

pal. Pallet

T&G Tongue and Groove

pac. Packaging

approx. Approximately

SE square edge

Pcs. Pieces

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The contents of this document have been prepared in consideration of European product standards and provide a general overview of component structures, construction methods, and installation. Local applicable regulations have not been considered. Before using our products, please verify that the applicable regulations for the specific area of use are followed.

The currently valid version can be found at: www.steico.com/tds_steicotop_eur_en